



## (2) INFORMATION FOR SEQ ID NO:2:

- (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 8 amino acids  
 (B) TYPE: amino acid  
 (C) STRANDEDNESS:  
 (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

Gly Ser His His His His His His  
 1 5

## (2) INFORMATION FOR SEQ ID NO:3:

- (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 11 amino acids  
 (B) TYPE: amino acid  
 (C) STRANDEDNESS:  
 (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

His Glu Xaa Xaa His Xaa Xaa Gly Xaa Xaa His  
 1 5 10

## (2) INFORMATION FOR SEQ ID NO:4:

- (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 203 amino acids  
 (B) TYPE: amino acid  
 (C) STRANDEDNESS:  
 (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

Glu Gln Asn Leu Pro Gln Arg Tyr Ile Glu Leu Val Val Val Ala Asp  
 1 5 10 15  
 Arg Arg Val Phe Met Lys Tyr Asn Ser Asp Leu Asn Ile Ile Arg Thr  
 20 25 30  
 Arg Val His Glu Ile Val Asn Ile Ile Asn Glu Phe Tyr Arg Ser Leu  
 35 40 45  
 Asn Ile Arg Val Ser Leu Thr Asp Leu Glu Ile Trp Ser Gly Gln Asp  
 50 55 60  
 Phe Ile Thr Ile Gln Ser Ser Ser Ser Asn Thr Leu Asn Ser Phe Gly  
 65 70 75 80

(i) SEQUENCE CHARACTERISTICS:  
(A) LENGTH: 287 amino acids  
(B) TYPE: amino acid  
(C) STRANDEDNESS:  
(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:

Pro 1	Glu	Glu	Leu 5	Val	His	Arg	Val	Lys 10	Arg	Ala	Asp	Pro	Asp 15	Pro		
Met	Lys	Asn 20	Thr	Cys	Lys	Leu	Leu	Val 25	Val	Ala	Asp	His 30	Arg	Phe	Tyr	
Arg	Tyr	Met 35	Gly	Arg	Gly	Glu	Glu 40	Ser	Thr	Thr	Thr	Asn 45	Tyr	Leu	Ile	
Glu 50	Leu	Ile	Asp	Arg	Val	Asp 55	Asp	Ile	Tyr	Arg	Asn 60	Thr	Ser	Trp	Asp	
Asn 65	Ala	Gly	Phe	Lys	Gly 70	Tyr	Gly	Ile	Gln	Ile 75	Glu	Gln	Ile	Arg	Ile 80	
Leu	Lys	Ser	Pro	Gln 85	Glu	Val	Lys	Pro	Gly 90	Glu	Lys	His	Tyr	Asn 95	Met	
Ala	Lys	Ser	Tyr 100	Pro	Asn	Glu	Glu	Lys 105	Asp	Ala	Trp	Asp	Val 110	Lys	Met	
Leu	Leu	Glu 115	Gln	Phe	Ser	Phe	Asp 120	Ile	Ala	Glu	Glu	Ala 125	Ser	Lys	Val	

Cys Leu Ala His Leu Phe Thr Tyr Gln Asp Phe Asp Met Gly Thr Leu  
 130 135 140  
 Gly Leu Ala Tyr Val Gly Ser Pro Arg Ala Asn Ser His Gly Gly Val  
 145 150 155 160  
 Cys Pro Lys Ser Gly Ser Ser Gly Gly Ile Cys Glu Lys Ala Tyr Tyr  
 165 170 175  
 Ser Pro Val Gly Lys Lys Asn Ser Lys Leu Tyr Ser Asp Gly Lys Lys  
 180 185 190  
 Lys Glu Ala Asp Leu Val Thr Thr His Glu Leu Gly His Asn Phe Gly  
 195 200 205  
 Ala Glu His Asp Pro Asp Gly Leu Ala Glu Cys Ala Pro Asn Glu Asp  
 210 215 220  
 Gln Gly Gly Lys Tyr Val Met Tyr Pro Ile Ala Val Ser Gly Asp His  
 225 230 235 240  
 Glu Asn Asn Lys Met Phe Ser Asn Cys Ser Lys Gln Ser Ile Tyr Lys  
 245 250 255  
 Thr Ile Glu Ser Lys Ala Gln Glu Cys Phe Gln Glu Arg Ser Asn Lys  
 260 265 270  
 Val Cys Gly Asn Ser Arg Val Asp Glu Gly Glu Glu Cys Asp Pro  
 275 280 285

## (2) INFORMATION FOR SEQ ID NO:6:

- (i) SEQUENCE CHARACTERISTICS:
- (A) LENGTH: 276 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS:
  - (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:

Gln Glu Lys His Ala Ile Asn Gly Pro Glu Leu Leu Arg Lys Arg Arg  
 1 5 10  
 Thr Thr Ser Ala Glu Lys Asn Thr Cys Gln Leu Tyr Ile Gln Thr Asp  
 20 25 30  
 His Leu Phe Phe Lys Tyr Tyr Gly Thr Arg Glu Ala Val Ile Ala Gln  
 35 40 45  
 Ile Ser Ser His Val Lys Ala Ile Asp Thr Ile Tyr Gln Thr Thr Asp  
 50 55 60  
 Phe Ser Gly Ile Arg Asn Ile Ser Phe Met Val Lys Arg Ile Arg Ile  
 65 70 75 80  
 Asn Thr Thr Ala Asp Glu Lys Asp Pro Thr Asn Pro Phe Arg Phe Pro  
 85 90 95

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